

FIG. 1A

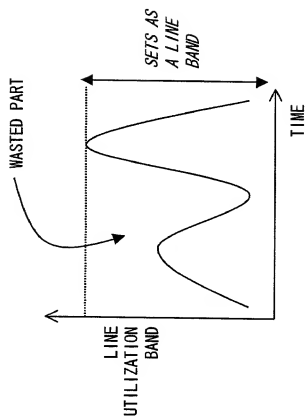


FIG. 1B

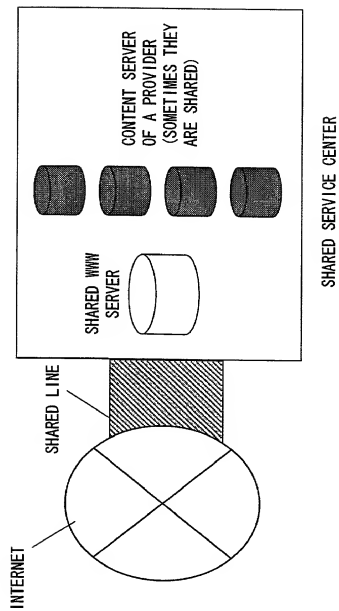


FIG. 2

(1) FUNCTION TO SET THE MINIMUM GUARANTEED NUMBER OF DISTRIBUTION FOR EACH CONTENT

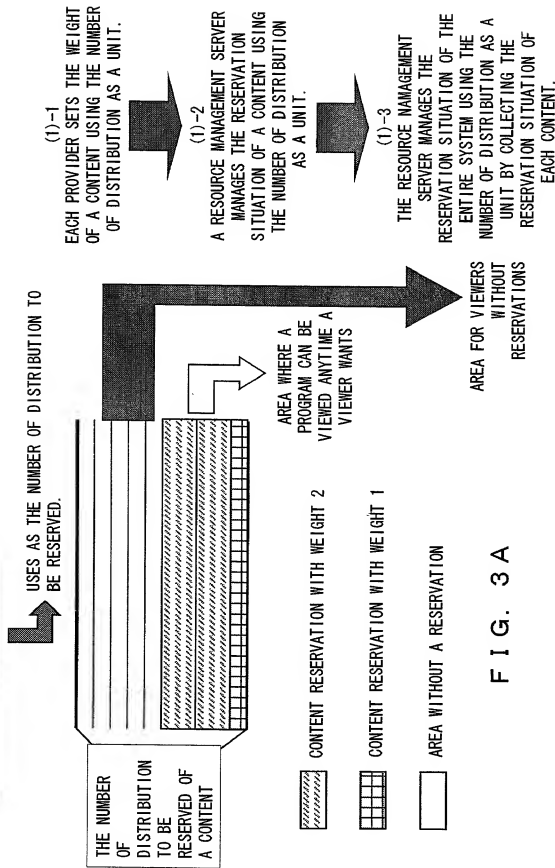


FIG. 3A

(2) FUNCTION TO CHECK THE NUMBER OF AVAILABLE LINES IN EACH TIME ZONE BASED ON THE RESERVATION SITUATION AND TO ALLOCATE A BAND TO A VIEWER WITHOUT A RESERVATION

(2)-1

WHEN A SPECIFIC TIME ZONE A BEGINS, THE RESOURCE MANAGEMENT SERVER COLLECTS THE RESERVATION SITUATION OF EACH PROVIDER AND CALCULATES THE NUMBER OF AVAILABLE LINES BASED ON THE MAXIMUM NUMBER OF AVAILABLE DISTRIBUTION.

(2)-2

A VIEWER WITHOUT A RESERVATION TRIES TO USE A SPECIFIC CONTENT.

(2)-3

IF THE NUMBER OF AVAILABLE LINES IS GREATER THAN THE WEIGHT OF THE CONTENT THAT THE VIEWER WANTS TO USE, THE VIEWER CAN VIEW THE PROGRAM. OTHERWISE, THE VIEWER MOVES TO THE RESERVATION OF A TIME ZONE.

(2)-4

IF PROGRAM VIEWING IS POSSIBLE, THE RESOURCE MANAGEMENT SERVER SUBTRACTS THE WEIGHT OF THE CONTENT FROM THE NUMBER OF AVAILABLE LINES AND INSTRUCTS A CONTENT SERVER TO DISTRIBUTE THE DESIRED CONTENT TO THE VIEWER.

THE EFFECTIVE USE OF DISTRIBUTION RESOURCES CAN BE EXPECTED.

*THE MAXIMUM NUMBER OF AVAILABLE DISTRIBUTION
→ THE NUMBER OF AVAILABLE DISTRIBUTION DETERMINED AGAINST LINE CAPACITY

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80																				

(3) FUNCTION TO ADJUST THE SYSTEM SO THAT A VIEWER CAN CONTINUE TO USE THE CONTENT EVEN AFTER THE TIME ZONE IS OVER

(3)-1

WHILE A VIEWER IS USING A CONTENT, THE RESERVED TIME ZONE A SHIFTS TO ANOTHER TIME ZONE B.



(3)-2

WHEN THE TIME ZONE B BEGINS, THE RESOURCE MANAGEMENT SERVER COLLECTS THE RESERVATION SITUATION OF EACH PROVIDER AND CALCULATES THE NUMBER OF AVAILABLE LINES BASED ON THE MAXIMUM NUMBER OF AVAILABLE DISTRIBUTION.



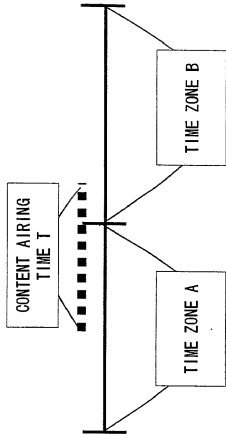
(3)-3

IF THE WEIGHT OF TIME EXCESS IS SMALLER THAN THE CALCULATED NUMBER OF AVAILABLE LINES, THE RESOURCE MANAGEMENT SERVER SUBTRACTS THE WEIGHT OF THE TIME EXCESS FROM THE NUMBER OF AVAILABLE LINES AND INSTRUCTS A CONTENT SERVER TO CONTINUE THE USE OF THE CONTENT.



IMPLEMENTS THE COMFORTABLE USE OF SERVICES OF A CONTENT USER.

FIG. 3C



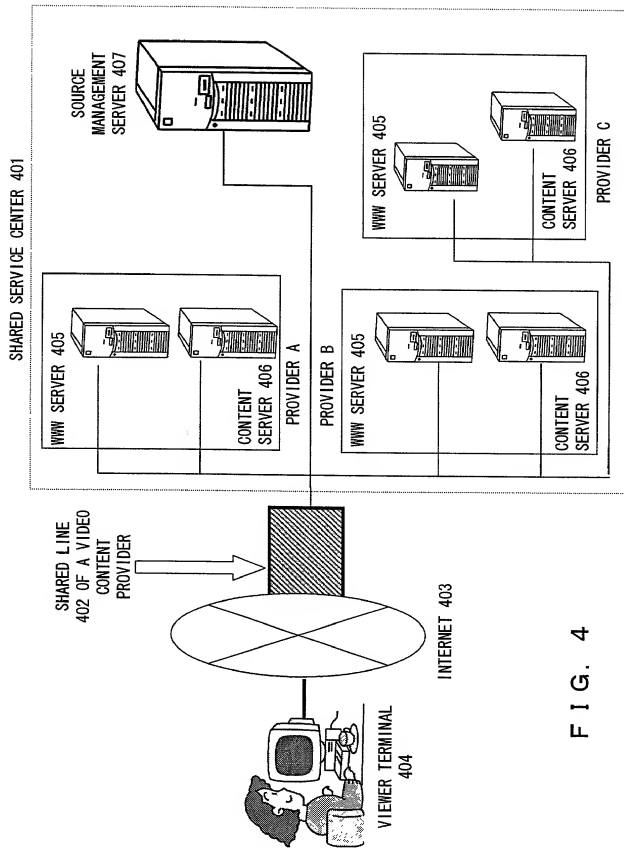


FIG. 4

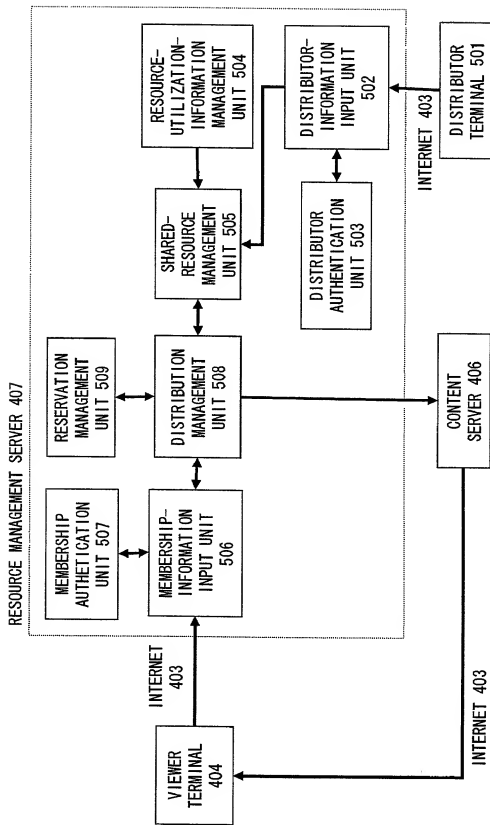


FIG. 5

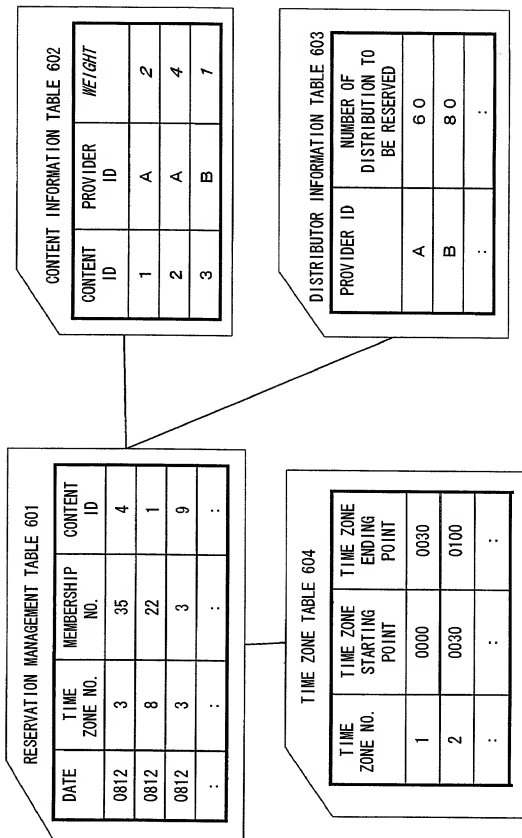


FIG. 6

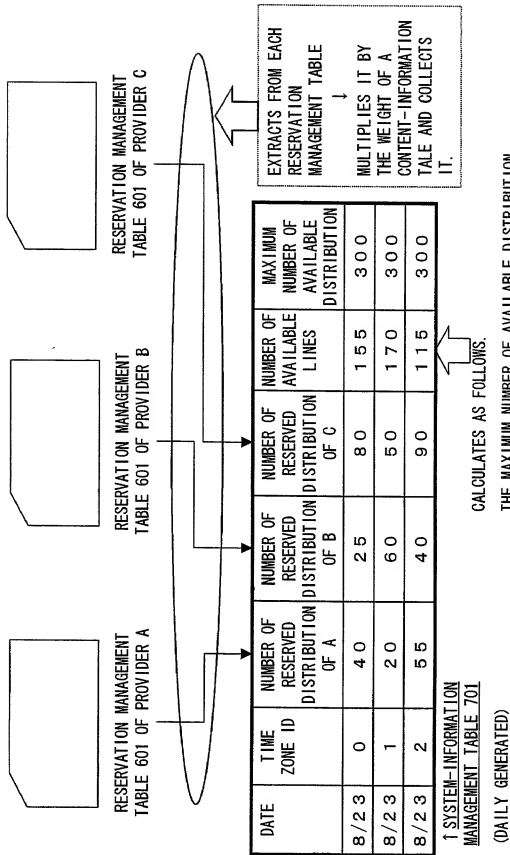


FIG. 7

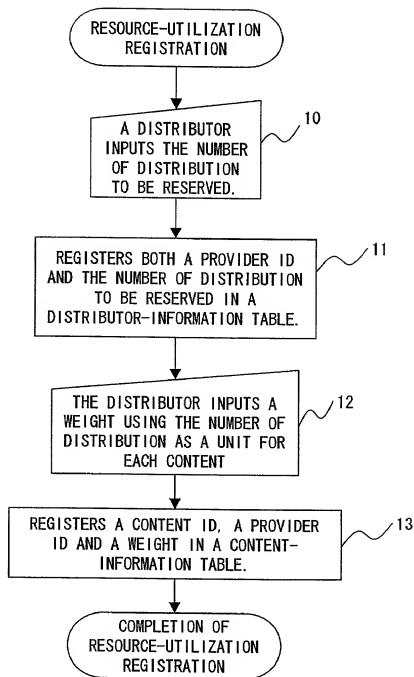


FIG. 8

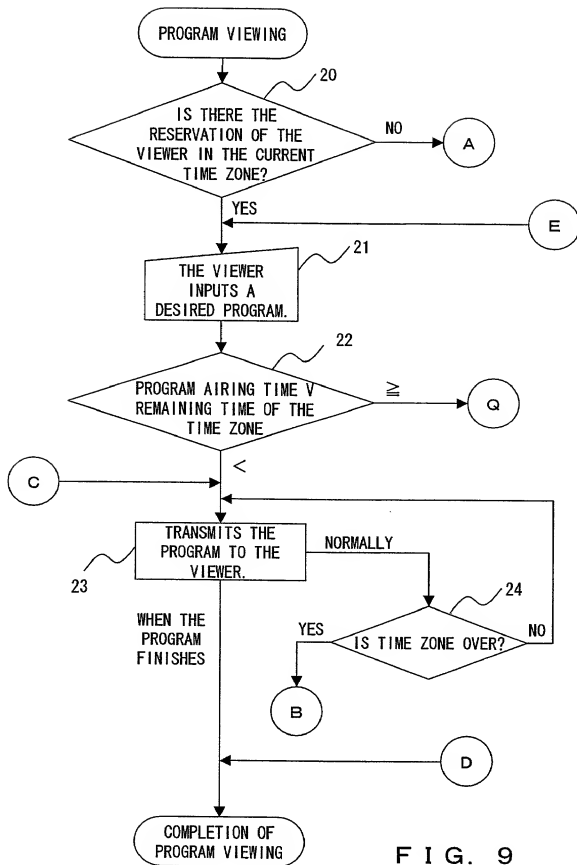
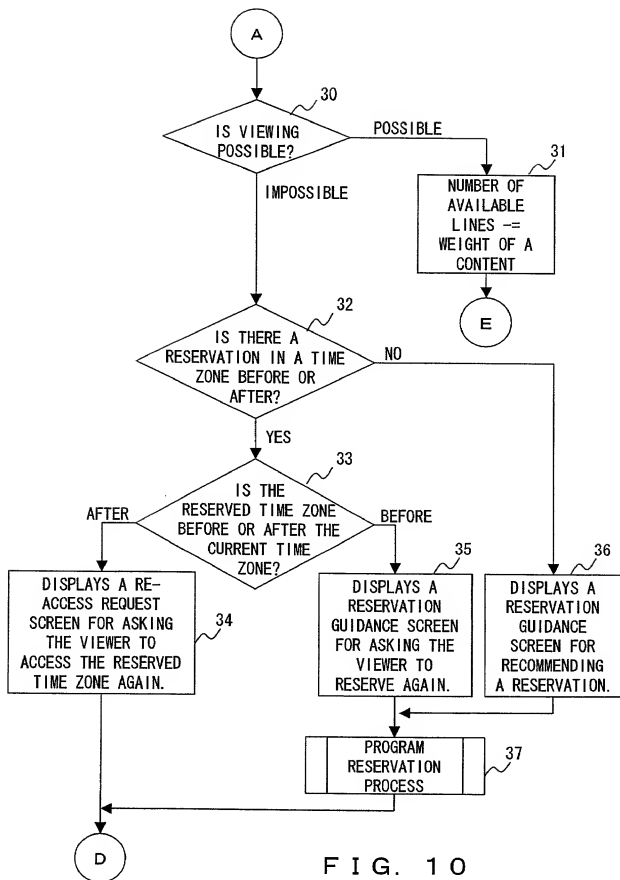


FIG. 9



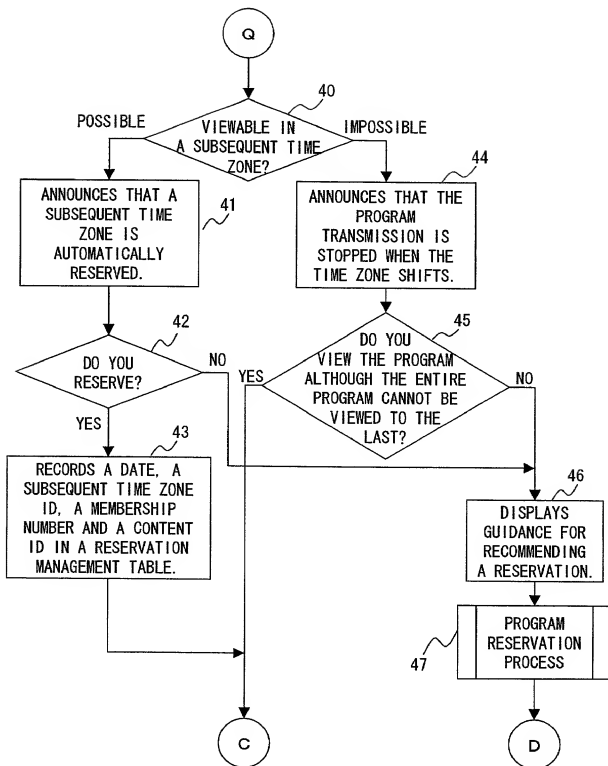


FIG. 11

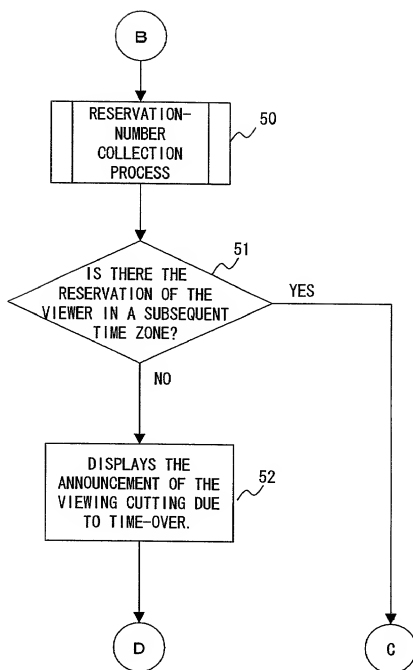


FIG. 12

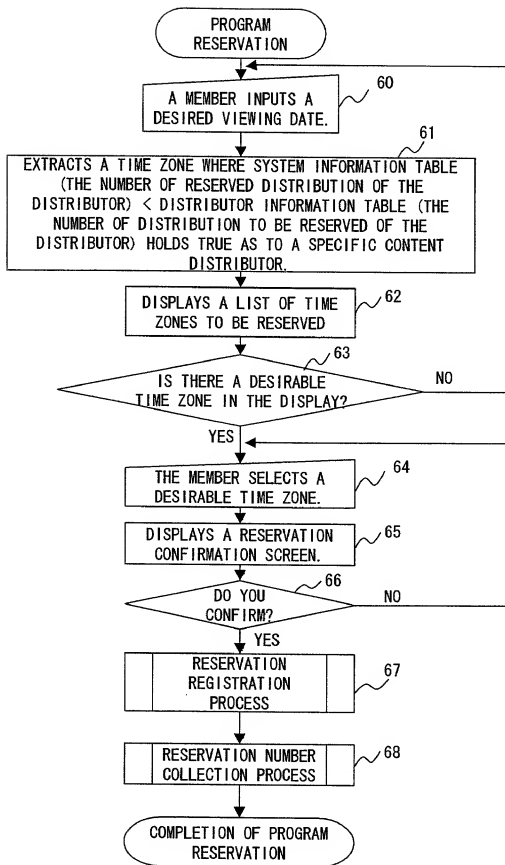


FIG. 13

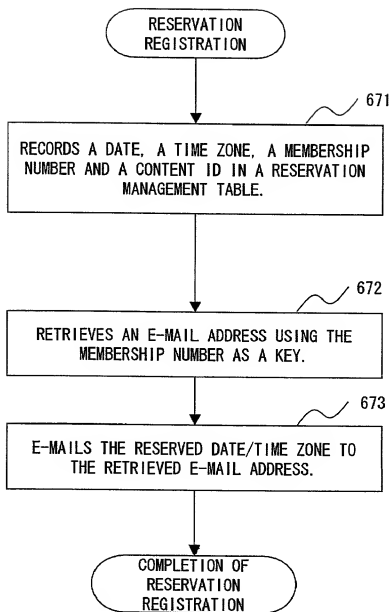


FIG. 14

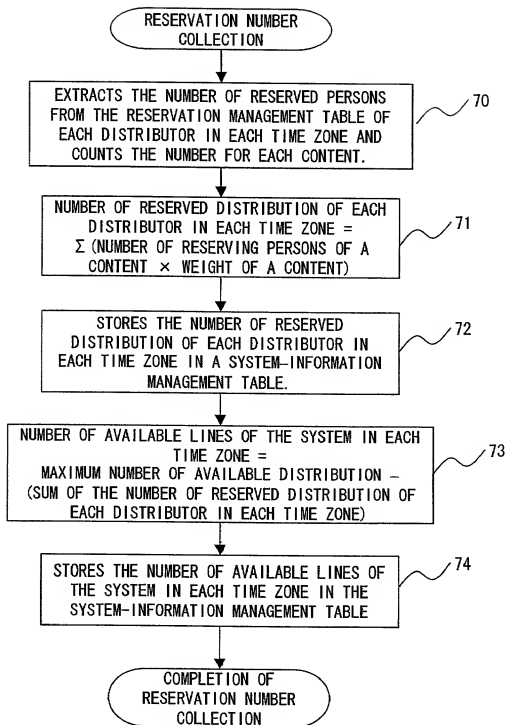


FIG. 15

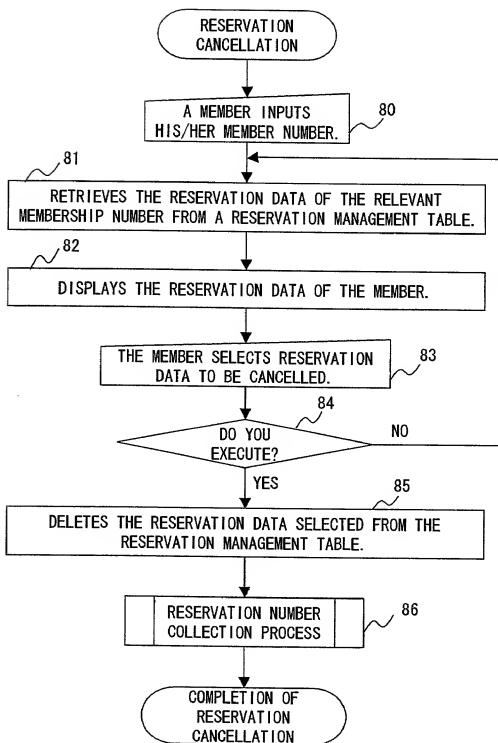


FIG. 16

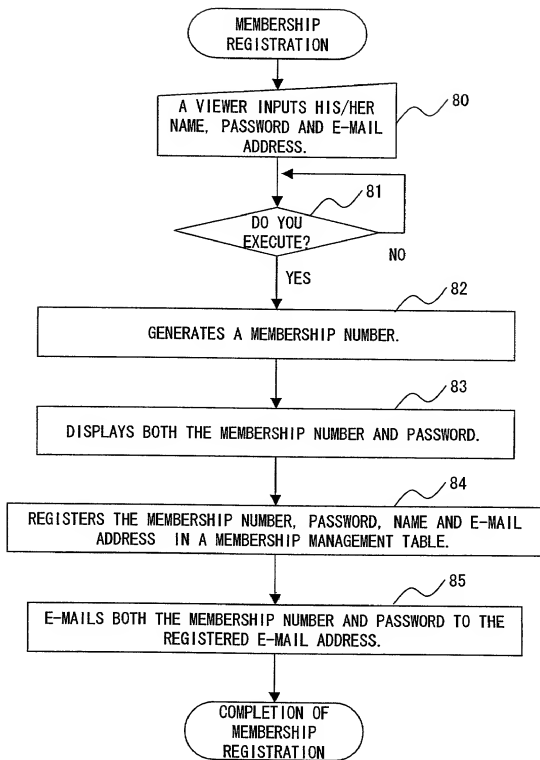


FIG. 17

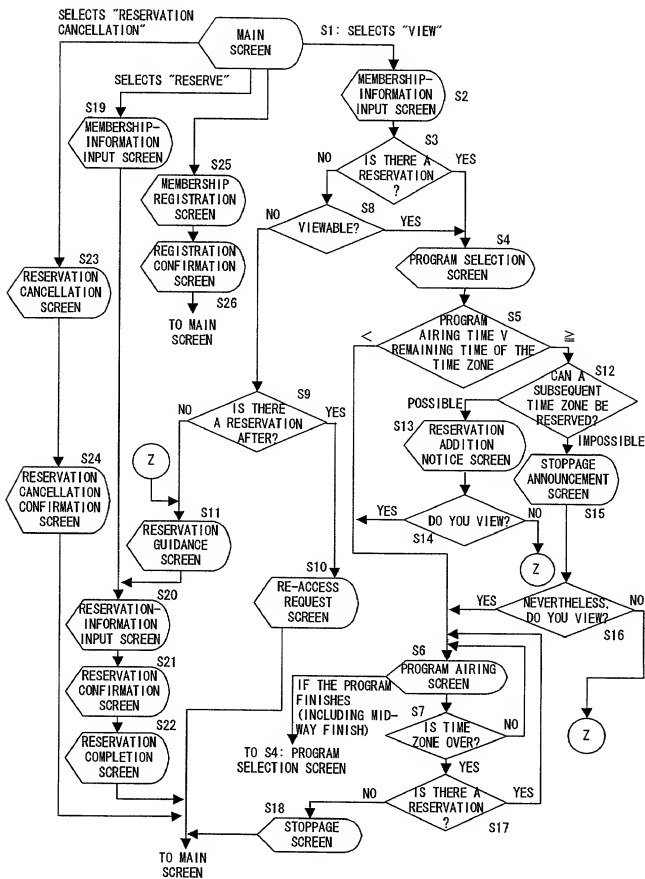


FIG. 18

VIDEO DISTRIBUTION CONTENT

NOTE: THIS CONTENT HAS THE POSSIBILITY THAT A VIEWER WITHOUT A RESERVATION CANNOT VIEW A PROGRAM.

PROGRAM VIEWING

VIEWING RESERVATION

RESERVATION CANCELLATION

MEMBERSHIP REGISTRATION

FIG. 19

FIG. 20

MEMBERSHIP ID:	<input type="text" value="123456"/>
PASSWORD:	<input type="password" value="*****"/>
<input type="button" value="AUTHENTICATE"/>	

FIG. 20

PLEASE SELECT A PROGRAM
THAT YOU WANT TO VIEW.

(PROGRAM NAME: CONTENT)

PROGRAM 1: ○○○

PROGRAM 2: ▲▲▲

PROGRAM 3: □□□

PROGRAM 4: ×××

“VIEW”

FIG. 21

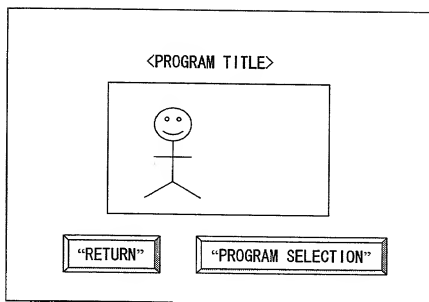


FIG. 22

Mr./Ms. ○○

THE TIME ZONE THAT YOU HAVE RESERVED IS A
TIME ZONE BETWEEN △△ O'CLOCK △△
MINUTES AND □□ O'CLOCK □□ MINUTES.

SINCE YOU ARE NOT ENTITLED TO VIEW A
PROGRAM IN THE CURRENT TIME ZONE, PLEASE
ACCESS US IN YOUR RESERVED TIME ZONE AGAIN.

"CONFIRM"

FIG. 23

YOU ARE NOT ALLOWED TO VIEW A PROGRAM IN
THE CURRENT TIME ZONE. PLEASE MAKE A
VIEWING RESERVATION BY TOUCHING THE
FOLLOWING BUTTON.

"VIEWING RESERVATION"

F I G. 2 4

THIS PROGRAM DOES NOT FINISH WITHIN THE
CURRENT RESERVED TIME ZONE. ALTHOUGH
THERE IS A VACANCY IN A SUBSEQUENT TIME
ZONE, DO YOU MAKES A RESERVATION FOR IT?

“RESERVE”

“DON’T RESERVE”

FIG. 25

THIS PROGRAM DOES NOT FINISH WITHIN THE
CURRENT RESERVED TIME ZONE. SINCE THERE
IS NO VACANCY IN A SUBSEQUENT TIME ZONE,
THE PROGRAM IS FINISHED WHEN THIS TIME
ZONE IS OVER. IF YOU WANT TO VIEW THE
PROGRAM TO THE LAST, PLEASE MAKES A
RESERVATION FOR IT AGAIN.

NEVERTHELESS, DO YOU WANT TO VIEW THE
PROGRAM MID-WAY?

YES

NO

FIG. 26

15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

SINCE NOW THE RESERVED TIME ZONE IS OVER,
WE ARE GOING TO STOP AIRING THE PROGRAM.

"CONFIRM"

FIG. 27

DESIRED DATE :

AVAILABLE TIME ZONE TO BE RESERVED	OCCUPIED/VACANT
8:00~9:00	○
9:00~10:00	△
<u>13:00~14:00</u>	△
16:00~17:00	○
21:00~22:00	x

FIG. 28

YOU WILL BE RESERVED AS FOLLOW. OK?

RESERVED DATE: OCTOBER 20

TIME ZONE: 13:00~14:00

MEMBERSHIP NO. : ☐ ☐ ☐ ☐

NAME: ○○△△

“OK”

“CANCEL”

FIG. 29

YOUR RESERVATION IS COMPLETED.
SINCE WE ARE E-MAILING THE RESERVATION
INFORMATION TO YOU, PLEASE CONFIRM IT.

"BACK TO MAIN SCREEN"

FIG. 30

YOUR RESERVATION HAS BEEN
CANCELLED.

"BACK TO MAIN SCREEN"

FIG. 32

NAME:

PASSWORD:

INPUTS PASSWORD AGAIN
FOR CONFIRMATION:

E-MAIL ADDRESS:

FIG. 33

YOUR MEMBERSHIP REGISTRATION HAS BEEN
COMPLETED AS FOLLOW.

MEMBERSHIP NO. : 119911

PASSWORD: abcdefg

SINCE WE ARE E-MAILING BOTH THE MEMBERSHIP
NUMBER AND PASSWORD, PLEASE CONFIRM THEM.

"BACK TO MAIN SCREEN"

F I G. 3 4

MEMBER-SHIP NO.	NAME	PASSWORD	MAIL ADDRESS
0001	○○△△	*****	***@fjb. co. jp
0002	□□××	*****	**@yahoo. ne. jp
0003	//??	*****	***@hotmail. com
:	:	:	:

FIG. 35

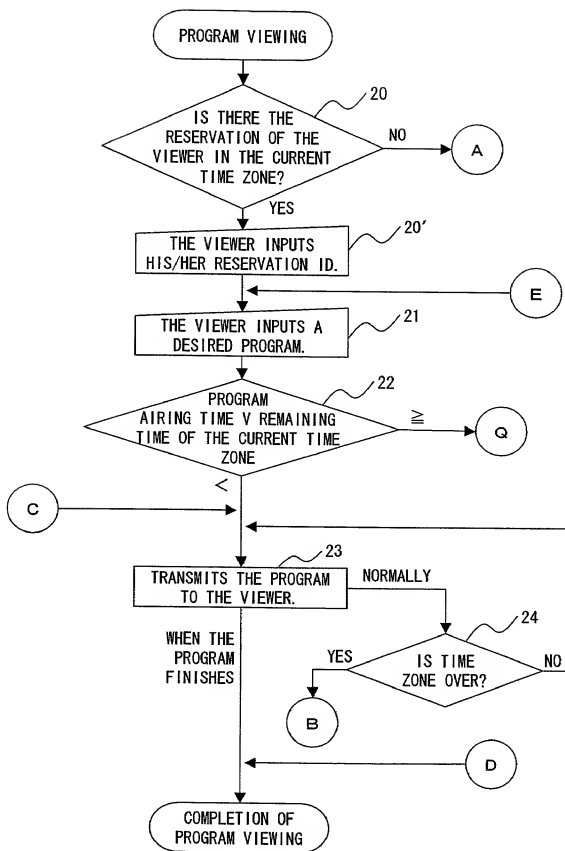


FIG. 36

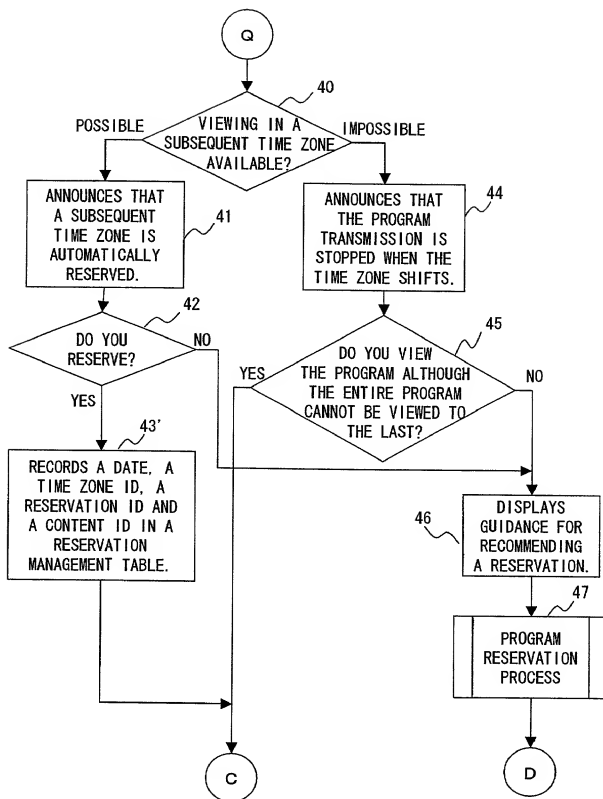


FIG. 37

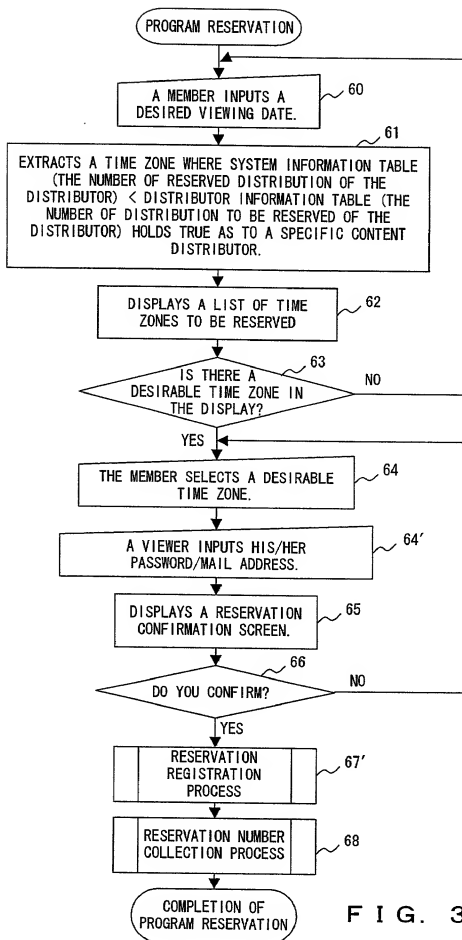


FIG. 38

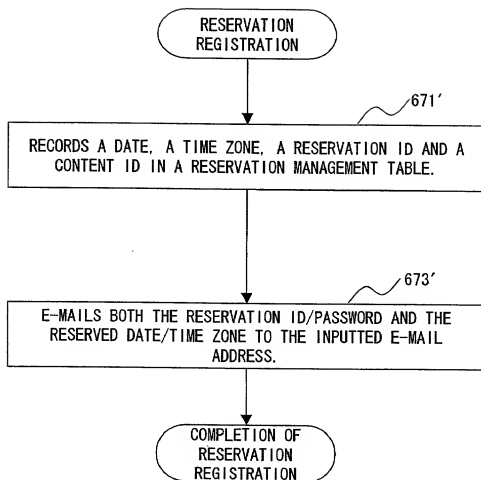


FIG. 39

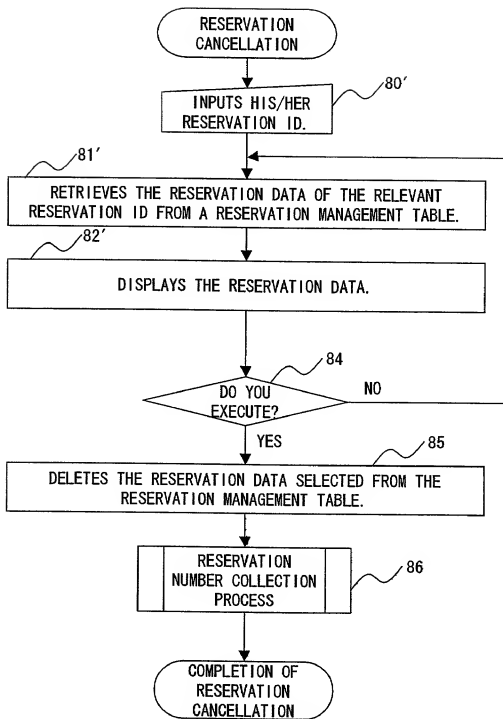


FIG. 40

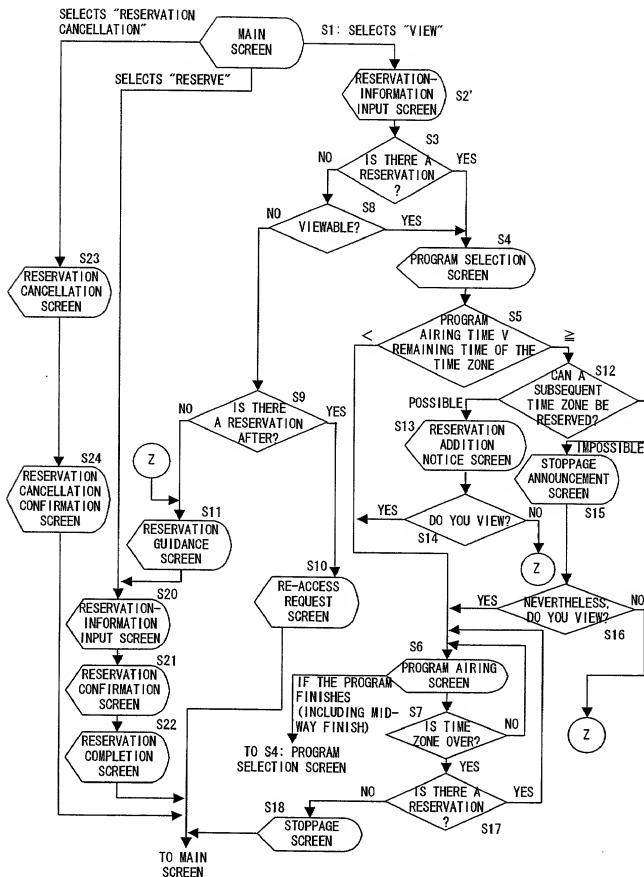


FIG. 41

VIDEO DISTRIBUTION CONTENT

NOTE: THIS CONTENT HAS THE POSSIBILITY THAT A
VIEWER WITHOUT A RESERVATION CANNOT VIEW A
PROGRAM.

PROGRAM VIEWING

VIEWING RESERVATION

RESERVATION CANCELLATION

FIG. 42

DESIRED DATE:

OCTOBER

20

“CONFIRM”

AVAILABLE

TIME ZONE TO
BE RESERVED

OCCUPIED/VACANT

8:00~9:00

○

9:00~10:00

 Δ

13:00~14:00

△

16:00~17:00

○

21:00~22:00

X

DESIRED PASSWORD:

MAIL ADDRESS:

***@fjb.co.jp

“SELECT”

FIG. 44

[illegible]

TIME ZONE: 13:00~14:00

PASSWORD: *****



"CANCEL"

FIG. 45

YOUR RESERVATION IS COMPLETED.
SINCE WE ARE E-MAILING BOTH THE
RESERVATION ID AND PASSWORD TO YOU, PLEASE
CONFIRM IT.

"BACK TO MAIN SCREEN"

FIG. 46

100339

"CONFIRM"

10/20 13:00~14:00

“YES”

“NO”

FIG. 47

RESERVATION ID	PASSWORD	MAIL ADDRESS
A001	*****	***@fjb. co. jp
A002	*****	**@yahoo. ne. jp
A003	*****	***@hotmail. com
:	:	:

FIG. 48

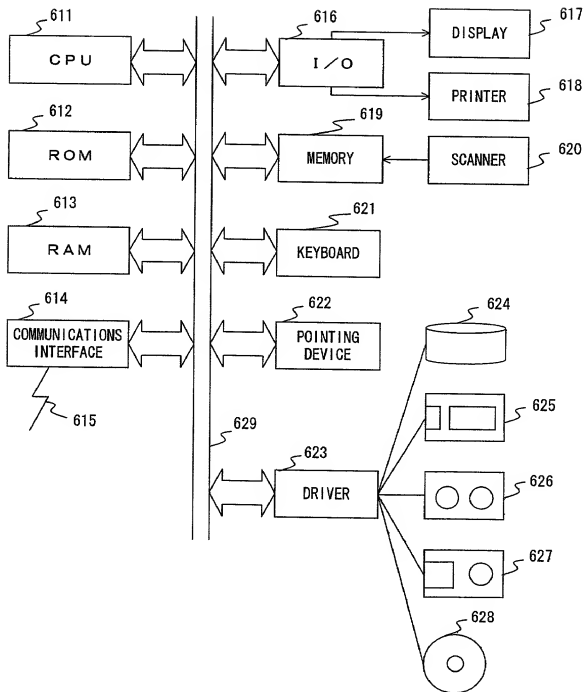


FIG. 49